

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently amended) A heat exchange unit, suitable for performing heat exchange between first and second fluids at different temperatures, comprising an exchange apparatus provided with a tube bundle, crossed internally by said first fluid, containing means of said second fluid, suitable for housing said exchange apparatus in such a way that at least one portion of said tube bundle is externally surrounded by said second fluid;

wherein said exchange apparatus comprises a connection means structurally separate from said containing means and to which one end of said tube bundle is operatively connected;

a collection tank arranged at the end of the tube bundle operatively connected to the connection means;

and a separating means interposed between said collection tank ~~connection means~~ of the tube bundle[,] and said containing means suited to guaranteeing a fluid seal between said collection tank ~~connection means~~ and said containing means;

wherein said collection tank comprises a box-shaped structure that is fluid tight relative to said second fluid and said collection tank encloses said connection means;

wherein said separating means comprises a separation frame, solidly fixed to the collection tank;

and wherein the exchange apparatus rests on a portion of said containing means weighing it down with its weight and wherein the exchange apparatus is supported by the containing means without further links.

2. (Previously Presented) The heat exchange unit according to claim 1, wherein said connection means extend in a direction that is substantially parallel to said tube bundle.

3. (Original) The heat exchange unit according to claim 1, wherein said connection means extend in a direction that is substantially perpendicular to said tube bundle.
4. (Original) The heat exchange unit according to claim 1, wherein said tube bundle comprises at least one inlet opening of the first fluid into the tube bundle and at least one outlet opening of the first fluid from the tube bundle, said inlet opening and said outlet opening being arranged in correspondence with said connection means.
5. (Previously Presented) The heat exchange unit according to claim 1, wherein said heat exchange apparatus comprises shaking means of said tube bundle.
6. (Cancelled).
7. (Cancelled).
8. (Cancelled).
9. (Original) The heat exchange unit according to claim 1, wherein said heat exchange apparatus rests on said containing means.
10. (Cancelled).
11. (Previously Presented) The heat exchange unit according to claim 1, wherein said separating means comprise a separating plate at least partially crossed by said tube bundle.
12. (Original) The heat exchange unit according to claim 11, wherein said separation plate is solidly fixed to said collection tank.
13. (Cancelled).
14. (Previously Presented) The heat exchange unit according to claim 1, wherein said separation frame is integrally fixed to said collection tank.

15. (Previously Presented) The heat exchange unit according to claim 1, wherein said separation frame is adapted to being connected to a cooling circuit.
16. (Original) The heat exchange unit according to claim 1, wherein said exchange apparatus comprises hooking means, adapted to allowing the handling of said exchange apparatus, said hooking means being arranged at the end of the tube bundle operatively connected to the connection means.
17. (Original) The heat exchange unit according to claim 16, wherein said hooking means comprise at least one eyebolt.
18. (Currently Amended) The heat exchange unit according to claim 1, wherein said tube bundle extends as a coil along a prevalent direction Z, wherein said prevalent direction Z is substantially perpendicular to a base plane on which the unit rests.
19. (Original) The heat exchange unit according to claim 18, wherein in relation to a plane perpendicular to said prevalent direction Z, said tube bundle extends at least in part along a broken line which forms a series of alternate protruding and receding angles.
20. (Original) A steam production plant comprising a heat exchange unit according to claim 1.